

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



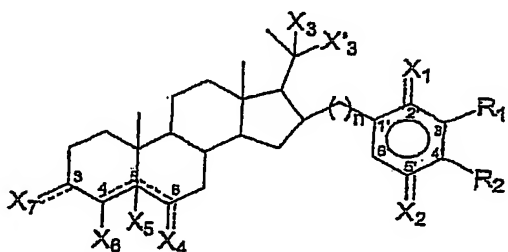
(43) International Publication Date
1 July 2004 (01.07.2004)

PCT

(10) International Publication Number
WO 2004/055039 A1

- (51) International Patent Classification⁷:
9/00, A61K 31/57, 31/575, A61P 35/00 **C07J 7/00,**
- (74) Agents: **BRANTS, Johan, Philippe, Emile et al.;** De Clercq, Brants & Partners, E. Gevaertdreef 10a, B-9830 Sint-Martens-Latem (BE).
- (21) International Application Number:
PCT/EP2003/014567
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date:
18 December 2003 (18.12.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
02447257.3 18 December 2002 (18.12.2002) EP
60/435,834 20 December 2002 (20.12.2002) US
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): **UNIBIO-SCREEN S.A.** [BE/BE]; Avenue J. Wybran 40, B-1070 Bruxelles (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **BRAEKMAN, Jean-Claude** [BE/BE]; Avenue Sainte Thérèse 7, B-1640 Rhône-St-Genèse (BE). **VAN QUAQUEBEKE, Eric** [BE/BE]; Chée de Roodebeek 479/4, B-1200 Woluwe St-Lambert (BE). **INGRASSIA, Laurent** [FR/BE]; Rue Jules Hans 66, B-4120 Braine L'Aleud (BE). **DEWELLE, Janique** [BE/BE]; Rue du Pachy Couche 35, B-6238 Luttre (BE). **KISS, Robert** [BE/BE]; Henri Consciences-straat 34 - b3, B-1600 Sint-Pieters-Leeuw (BE). **DARRO, Francis** [FR/BE]; Rue de la Pêcherie 142, bte 3, B-1180 Uccle (BE).
- Declaration under Rule 4.17:**
— *of inventorship (Rule 4.17(iv)) for US only*
- Published:**
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: STEROID COMPOUNDS WITH ANTI-TUMOR ACTIVITY



(IB)

(57) Abstract: The present invention relates to novel steroid compounds of Formula (IB) having anti-tumor activity. The present invention also relates to a method for the preparation of said steroid compounds. The invention further relates to a pharmaceutical composition comprising an effective amount of said steroid compounds. Furthermore, the present invention concerns the use of said steroid compounds as a medicament and in the preparation of a medicament for the treatment of cancer. The present invention also relates to the use of a steroid compound or a pharmaceutical composition comprising said steroid compound according to the invention in the treatment of cancer.